

www.elsevier.com/locate/apsusc

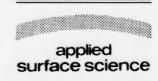
Author Index

| Ammar, A.H., Studies on some structural and | | | |
|---|----------------|--|----------------|
| optical properties of $Zn_xCd_{1-x}Te$ thin films | 201 (2002) 9 | Gaertner, G., P. Geittner and D. Raasch, Low | |
| Appel, L.G., see Braun, S. | 201 (2002) 227 | temperature and cold emission of scandate | |
| Asami, K., see Tsunekawa, S. | 201 (2002) 69 | cathodes | 201 (2002) 61 |
| Austin, M.W., see Chong, HW. | 201 (2002) 196 | Gärtner, G., P. Janiel and D. Raasch, Direct determination of electrical conductivity of | |
| Benamar, E., see El Rhaleb, H. | 201 (2002) 138 | oxide cathodes | 201 (2002) 35 |
| Bender, H., see Lanckmans, F. | 201 (2002) 20 | Gedanken, A., see Kataby, G. | 201 (2002) 191 |
| Białopiotrowicz, T., and B. Jańczuk, The wett- | | Geittner, P., see Gaertner, G. | 201 (2002) 61 |
| ability of a cellulose acetate membrane in | | Girard, P., A.N. Titkov, M. Ramonda, V.P. Evti- | |
| the presence of bovine serum albumin | 201 (2002) 146 | khiev and V.P. Ulin, Observations of self- | |
| Braun, S., L.G. Appel and M. Schmal, Effect of | | organized InAs nanoislands on GaAs (0 0 1) | |
| the nature of the support on molybdenum | | surface by electrostatic force microscopy | 201 (2002) 1 |
| catalytic behavior in diesel particulate com- | | | |
| bustion | 201 (2002) 227 | Hakam, A., see El Rhaleb, H. | 201 (2002) 138 |
| Brongersma, S.H., see Lanckmans, F. | 201 (2002) 20 | Hao, X.T., see Wang, Q.P. | 201 (2002) 123 |
| | | Hayes, J.P., see Chong, HW. | 201 (2002) 196 |
| Chevolleau, Th., see Vinnichenko, M. | 201 (2002) 41 | Herlem, M., see Vigneron, J. | 201 (2002) 51 |
| Chong, HW., A. Mitchell, J.P. Hayes and M.W. | | | |
| Austin, Investigation of KrF excimer laser | | Jagminas, A., J. Kuzmarskytė and G. Niaura, | |
| ablation and induced surface damage on | | Electrochemical formation and characteriza- | |
| lithium niobate | 201 (2002) 196 | tion of copper oxygenous compounds in | |
| Conard, T., see Lanckmans, F. | 201 (2002) 20 | alumina template from ethanolamine solu- | |
| Cong, P., see Wu, X. | 201 (2002) 115 | tions | 201 (2002) 129 |
| Cooper, M.I., P.S. Fowles and C.C. Tang, Ana- | | Jak, M.J.J., A. van Kreuningen, J. Verhoeven | |
| lysis of the laser-induced discoloration of | | and J.W.M. Frenken, The effect of stoichio- | |
| lead white pigment | 201 (2002) 75 | metry on the stability of steps on $TiO_2(1\ 1\ 0)$ | 201 (2002) 161 |
| | | Jańczuk, B., see Białopiotrowicz, T. | 201 (2002) 146 |
| Datta, S., see Mukhopadhyay, S.M. | 201 (2002) 219 | Janiel, P., see Gärtner, G. | 201 (2002) 35 |
| d'Oliveira, A.S.C.M., R. Vilar and C.G. Feder, | | Joshi, P., see Mukhopadhyay, S.M. | 201 (2002) 219 |
| High temperature behaviour of plasma trans- | | | |
| ferred arc and laser Co-based alloy coatings | 201 (2002) 154 | Kang, J., see Tsunekawa, S. | 201 (2002) 69 |
| Dufour, P., see Roquais, J.M. | 201 (2002) 85 | Kasuya, A., see Tsunekawa, S. | 201 (2002) 69 |
| | | Kataby, G., Yu. Koltypin, A. Ulman, I. Felner | |
| El Rhaleb, H., E. Benamar, M. Rami, J.P. Roger, | | and A. Gedanken, Blocking temperatures of | |
| A. Hakam and A. Ennaoui, Spectroscopic | | amorphous iron nanoparticles coated by var- | |
| ellipsometry studies of index profile of | | ious surfactants | 201 (2002) 191 |
| indium tin oxide films prepared by spray | | Kawazoe, Y., see Tsunekawa, S. | 201 (2002) 69 |
| pyrolysis | 201 (2002) 138 | Khoumri, E.M., see Vigneron, J. | 201 (2002) 51 |
| Ennaoui, A., see El Rhaleb, H. | 201 (2002) 138 | Kim, TH., and BH. Sohn, Photocatalytic thin | |
| Etcheberry, A., see Vigneron, J. | 201 (2002) 51 | films containing TiO ₂ nanoparticles by the | |
| Evtikhiev, V.P., see Girard, P. | 201 (2002) 1 | layer-by-layer self-assembling method | 201 (2002) 109 |
| | 204 (2002) 171 | Knizikevičius, R., Real dimensional simulation | 201 (2002) 05 |
| Feder, C.G., see d'Oliveira, A.S.C.M. | 201 (2002) 154 | of silicon etching in $CF_4 + O_2$ plasma | 201 (2002) 96 |
| Felner, I., see Kataby, G. | 201 (2002) 191 | Kojima, I., see Xu, J. | 201 (2002) 208 |
| Fowles, P.S., see Cooper, M.I. | 201 (2002) 75 | Koltypin, Yu., see Kataby, G. | 201 (2002) 191 |
| Frenken, J.W.M., see Jak, M.J.J. | 201 (2002) 161 | Kordás, K., see Pap, A.E. | 201 (2002) 56 |

| Kuzmarskytė, J., see Jagminas, A. | 201 (2002) 129 | Rozwadowski, M., see Nowak, L. | 201 (2002) 182 |
|--|----------------|--|----------------|
| Lanckmans, F., S.H. Brongersma, I. Varga, S. | | Schmal, M., see Braun, S. | 201 (2002) 227 |
| Poortmans, H. Bender, T. Conard and K. | | Sohn, BH., see Kim, TH. | 201 (2002) 109 |
| Maex, A quantitative adhesion study | | Steinbrunn, A., see Roquais, J.M. | 201 (2002) 85 |
| between contacting materials in Cu damas- | | Sun, YM., see Park, H.J. | 201 (2002) 171 |
| cene structures | 201 (2002) 20 | | |
| le Doze, R., see Roquais, J.M. | 201 (2002) 85 | Tang, C.C., see Cooper, M.I. | 201 (2002) 75 |
| Leppävuori, S., see Pap, A.E. | 201 (2002) 56 | Titkov, A.N., see Girard, P. | 201 (2002) 1 |
| Lezanska, M., see Nowak, L. | 201 (2002) 182 | Tsunekawa, S., J. Kang, K. Asami, Y. Kawazoe | |
| Lozano, J., see Park, H.J. | 201 (2002) 171 | and A. Kasuya, Size and time dependences | |
| 202000, 01, 000 2 000, | () | of the valence states of Sn ions in amphoteric | |
| Macdaniel, J., see Mukhopadhyay, S.M. | 201 (2002) 219 | tin oxide nanoparticles | 201 (2002) 69 |
| Maex, K., see Lanckmans, F. | 201 (2002) 20 | | |
| Maitz, M.F., see Vinnichenko, M. | 201 (2002) 41 | Ulin, V.P., see Girard, P. | 201 (2002) 1 |
| Marciniak, W., see Nowak, L. | 201 (2002) 182 | Ulman, A., see Kataby, G. | 201 (2002) 191 |
| Mitchell, A., see Chong, HW. | 201 (2002) 196 | Umehara, H., see Xu, J. | 201 (2002) 208 |
| Mori, S., see Wu, X. | 201 (2002) 115 | C | 201 (2002) 200 |
| Mukhopadhyay, S.M., P. Joshi, S. Datta and J. | 201 (2002) 110 | van Kreuningen, A., see Jak, M.J.J. | 201 (2002) 161 |
| Macdaniel, Plasma assisted surface coating | | Varga, I., see Lanckmans, F. | 201 (2002) 20 |
| of porous solids | 201 (2002) 219 | Verhoeven, J., see Jak, M.J.J. | 201 (2002) 161 |
| or perous sonus | 201 (2002) 213 | Vigneron, J., M. Herlem, E.M. Khoumri and A. | |
| Niaura, G., see Jagminas, A. | 201 (2002) 129 | Etcheberry, Cathodic decomposition of InP | |
| Nowak, L., M. Lezanska, M. Rozwadowski, F. | | studied by XPS | 201 (2002) 51 |
| Rozploch and W. Marciniak, EPR studies of | | Vilar, R., see d'Oliveira, A.S.C.M. | 201 (2002) 154 |
| carbonaceous compounds deposited on Al- | | Vinnichenko, M., Th. Chevolleau, M.T. Pham, | () |
| MCM-41 | 201 (2002) 182 | L. Poperenko and M.F. Maitz, Spectroellip- | |
| | | sometric, AFM and XPS probing of stainless | |
| Pap, A.E., K. Kordás, R. Peura and S. Leppä- | | steel surfaces subjected to biological influ- | |
| vuori, Simultaneous chemical silver and | | ences | 201 (2002) 41 |
| palladium deposition on porous silicon; | | | |
| FESEM, TEM, EDX and XRD investigation | 201 (2002) 56 | Wang, Q.P., D.H. Zhang, Z.Y. Xue and X.T. Hao, | |
| Park, H.J., YM. Sun, J. Lozano and J.M. White, | | Violet luminescence emitted from ZnO films | |
| Growth and thermal annealing of Cu on | | deposited on Si substrate by rf magnetron | |
| HfSiO ₄ | 201 (2002) 171 | sputtering | 201 (2002) 123 |
| Peura, R., see Pap, A.E. | 201 (2002) 56 | White, J.M., see Park, H.J. | 201 (2002) 171 |
| Pham, M.T., see Vinnichenko, M. | 201 (2002) 41 | Wu, X., P. Cong and S. Mori, Adsorption and | |
| Poortmans, S., see Lanckmans, F. | 201 (2002) 20 | reactions of HFC-134a gas on the nascent | |
| Poperenko, L., see Vinnichenko, M. | 201 (2002) 41 | surface of alumina | 201 (2002) 115 |
| Poret, F., see Roquais, J.M. | 201 (2002) 85 | | |
| • | | Xu, J., H. Umehara and I. Kojima, Effect of | |
| Raasch, D., see Gaertner, G. | 201 (2002) 61 | deposition parameters on composition, | |
| Raasch, D., see Gärtner, G. | 201 (2002) 35 | structures, density and topography of CrN | |
| Rami, M., see El Rhaleb, H. | 201 (2002) 138 | films deposited by r.f. magnetron sputtering | 201 (2002) 208 |
| Ramonda, M., see Girard, P. | 201 (2002) 1 | Xue, Z.Y., see Wang, Q.P. | 201 (2002) 123 |
| Roger, J.P., see El Rhaleb, H. | 201 (2002) 138 | Yen, S.K., see Yu, G.C. | 201 (2002) 204 |
| Roquais, J.M., F. Poret, R. le Doze, P. Dufour | | | |
| and A. Steinbrunn, Initial chemical transport | | Yu, G.C., and S.K. Yen, Hydrogen diffusion | |
| of reducing elements and chemical reactions | | coefficient of silicon nitride thin films | 201 (2002) 204 |
| in oxide cathode base metal | 201 (2002) 85 | | |
| Rozploch, F., see Nowak, L. | 201 (2002) 182 | Zhang, D.H., see Wang, Q.P. | 201 (2002) 123 |
| | | | |



Applied Surface Science 201 (2002) III-IX



www.elsevier.com/locate/apsusc

Subject Index

| Ablation | | Atomic force microscopy | |
|---|----------------------------------|---|----------------|
| Investigation of KrF excimer laser ablation and induced surface damage on lithium niobate, HW. Chong, A. Mitchell, J.P. Hayes and M.W. Austin | 201 (2002) 196 | Observations of self-organized InAs nanoislands on GaAs (0 0 1) surface by electrostatic force microscopy, P. Girard, A.N. Titkov, M. Ramonda, V.P. Evtikhiev and V.P. Ulin | 201 (2002) 1 |
| Alloys | | Spectroellipsometric, AFM and XPS probing of stainless steel surfaces subjected to biolo- gical influences, M. Vinnichenko, Th. Che- | |
| High temperature behaviour of plasma transferred arc and laser Co-based alloy coatings, A.S.C.M. d'Oliveira, R. Vilar and C.G. Feder | 201 (2002) 154 | volleau, M.T. Pham, L. Poperenko and M.F. Maitz Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron | 201 (2002) 41 |
| Aluminium | | sputtering, Q.P. Wang, D.H. Zhang, Z.Y. Xue and X.T. Hao The effect of stoichiometry on the stability of | 201 (2002) 123 |
| Initial chemical transport of reducing elements and chemical reactions in | | steps on TiO ₂ (1 1 0), M.J.J. Jak, A. van Kreuningen, J. Verhoeven and J.W.M. Frenken | 201 (2002) 161 |
| oxide cathode base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 | Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White Effect of deposition parameters on composition, structures, density and topography of | 201 (2002) 171 |
| Aluminium oxide | | CrN films deposited by r.f. magnetron sput- tering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 |
| Adsorption and reactions of HFC-134a gas on the nascent surface of alumina, X. Wu, P. Cong and S. Mori | 201 (2002) 115 | Auger electron spectroscopy | |
| Electrochemical formation and characteriza- tion of copper oxygenous compounds in alumina template from ethanolamine solu- tions, A. Jagminas, J. Kuzmarskytė and G. | | Initial chemical transport of reducing elements and chemical reactions in oxide cathode base metal, J.M. Roquais, F. Poret, R. le | |
| Niaura | 201 (2002) 129 | Doze, P. Dufour and A. Steinbrunn Effect of deposition parameters on composition, structures, density and topography of | 201 (2002) 85 |
| Annealing | | CrN films deposited by r.f. magnetron sput- tering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 |
| The effect of stoichiometry on the stability of steps on TiO ₂ (1 1 0), M.J.J. Jak, A. van Kreuningen, J. Verhoeven and J.W.M. Fren- | | Biological materials | |
| ken Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 161 201 (2002) 171 | The wettability of a cellulose acetate membrane in the presence of bovine serum albumin, T. Białopiotrowicz and B. Jańczuk | 201 (2002) 146 |

| Cadmium | | F. Lanckmans, S.H. Brongersma, I. Varga, S. Poortmans, H. Bender, T. Conard and K. Maex | 201 (2002) 20 |
|---|----------------|---|----------------|
| Studies on some structural and optical properties of Zn_xCd_{1-x} Te thin films, A.H. Ammar | 201 (2002) 9 | Electrochemical formation and characteriza- tion of copper oxygenous compounds in alumina template from ethanolamine solu- | 201 (2002) 20 |
| Catalysis | | tions, A. Jagminas, J. Kuzmarskytė and G. Niaura | 201 (2002) 129 |
| EPR studies of carbonaceous compounds deposited on Al-MCM-41, L. Nowak, M. Lezanska, M. Rozwadowski, F. Rozploch | 201 (2002) 102 | Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 171 |
| and W. Marciniak Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- | 201 (2002) 182 | Doping effect | |
| late combustion, S. Braun, L.G. Appel and M. Schmal | 201 (2002) 227 | Direct determination of electrical conductivity of oxide cathodes, G. Gärtner, P. Janiel and D. Raasch | 201 (2002) 35 |
| Cathodes | | D. Russell | 201 (2002) 33 |
| Direct determination of electrical conductivity | | Electrical properties | |
| of oxide cathodes, G. Gärtner, P. Janiel and D. Raasch Low temperature and cold emission of scandate | 201 (2002) 35 | Direct determination of electrical conductivity of oxide cathodes, G. Gärtner, P. Janiel and D. Raasch | 201 (2002) 35 |
| cathodes, G. Gaertner, P. Geittner and D. Raasch | 201 (2002) 61 | D. Rudsen | 201 (2002) 33 |
| Initial chemical transport of reducing elements and chemical reactions in oxide cathode | | Electrodeposition | |
| base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 | Electrochemical formation and characteriza- tion of copper oxygenous compounds in alumina template from ethanolamine solu- | |
| Chromium | | tions, A. Jagminas, J. Kuzmarskytė and G. Niaura | 201 (2002) 129 |
| Effect of deposition parameters on composi- tion, structures, density and topography of | | Electron microscopy | |
| CrN films deposited by r.f. magnetron sput- tering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 | A quantitative adhesion study between contact- | |
| Cobalt | | ing materials in Cu damascene structures, F. Lanckmans, S.H. Brongersma, I. Varga, S. Poortmans, H. Bender, T. Conard and K. | |
| High temperature behaviour of plasma trans- ferred arc and laser Co-based alloy coat- | | Maex Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, | 201 (2002) 20 |
| ings, A.S.C.M. d'Oliveira, R. Vilar and C.G. Feder | 201 (2002) 154 | TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. Leppävuori | 201 (2002) 56 |
| Computer simulations | | Size and time dependences of the valence states of Sn ions in amphoteric tin oxide nano- particles, S. Tsunekawa, J. Kang, K. Asami, | |
| A quantitative adhesion study between contact- ing materials in Cu damascene structures, F. Lanckmans, S.H. Brongersma, I. Varga, | | Y. Kawazoe and A. Kasuya Analysis of the laser-induced discoloration of lead white pigment, M.I. Cooper, P.S. | 201 (2002) 69 |
| S. Poortmans, H. Bender, T. Conard and K. Maex | 201 (2002) 20 | Fowles and C.C. Tang Initial chemical transport of reducing elements and chemical reactions in oxide cathode | 201 (2002) 75 |
| Copper | | base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn Photocatalytic thin films containing TiO ₂ nano- | 201 (2002) 85 |
| A quantitative adhesion study between contacting materials in Cu damascene structures, | | particles by the layer-by-layer self-assembling method, TH. Kim and BH. Sohn | 201 (2002) 109 |

| High temperature behaviour of plasma trans- ferred arc and laser Co-based alloy coat- | | Hafnium | |
|--|----------------|---|----------------|
| ings, A.S.C.M. d'Oliveira, R. Vilar and C.G. Feder Plasma assisted surface coating of porous | 201 (2002) 154 | Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano | |
| solids, S.M. Mukhopadhyay, P. Joshi, S. Datta and J. Macdaniel | 201 (2002) 219 | and J.M. White | 201 (2002) 171 |
| Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- late combustion, S. Braun, L.G. Appel and | 201 (2002) 217 | Hydrogen | |
| M. Schmal | 201 (2002) 227 | Hydrogen diffusion coefficient of silicon nitride thin films, G.C. Yu and S.K. Yen | 201 (2002) 204 |
| Ellipsometry | | Indium arsenide | |
| Spectroellipsometric, AFM and XPS probing of stainless steel surfaces subjected to biolo- gical influences, M. Vinnichenko, Th. Che- volleau, M.T. Pham, L. Poperenko and M.F. Maitz | 201 (2002) 41 | Observations of self-organized InAs nanoislands on GaAs (0 0 1) surface by electrostatic force microscopy, P. Girard, A.N. Titkov, M. Ramonda, V.P. Evtikhiev and V.P. Ulin | 201 (2002) 1 |
| Photocatalytic thin films containing TiO ₂ nanoparticles by the layer-by-layer self-assembling method, TH. Kim and BH. | 201 (2002) 41 | Indium phosphide | 201 (2002) |
| Sohn | 201 (2002) 109 | manum priesprinae | |
| Spectroscopic ellipsometry studies of index profile of indium tin oxide films prepared by spray pyrolysis, H. El Rhaleb, E. Benamar, M. Rami, J.P. Roger, A. Hakam and A. | | Cathodic decomposition of InP studied by XPS, J. Vigneron, M. Herlem, E.M. Khoumri and A. Etcheberry | 201 (2002) 51 |
| Ennaoui | 201 (2002) 138 | Indium tin oxide | |
| Etching | | Spectroscopic ellipsometry studies of index profile of indium tin oxide films prepared | |
| Real dimensional simulation of silicon etching in CF ₄ + O ₂ plasma, R. Knizikevičius | 201 (2002) 96 | by spray pyrolysis, H. El Rhaleb, E. Benamar, M. Rami, J.P. Roger, A. Hakam and A. Ennaoui | 201 (2002) 138 |
| Evaporation | | Infrared spectroscopy | |
| Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 171 | Electrochemical formation and characteriza- tion of copper oxygenous compounds in alumina template from ethanolamine solu- tions, A. Jagminas, J. Kuzmarskytė and G. Niaura | 201 (2002) 120 |
| Field emission | | Niaura | 201 (2002) 129 |
| Low temperature and cold emission of scandate cathodes, G. Gaertner, P. Geittner and D. | | Ion scattering | |
| Raasch | 201 (2002) 61 | Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 171 |
| Gallium Arsenide | | Iron | |
| Observations of self-organized InAs nanois- | | Tion | |
| lands on GaAs (0 0 1) surface by electrostatic force microscopy, P. Girard, A.N. Titkov, M. Ramonda, V.P. Evtikhiev and V.P. Ulin | 201 (2002) 1 | Blocking temperatures of amorphous iron nanoparticles coated by various surfactants, G. Kataby, Yu. Koltypin, A. Ulman, I. Felner and A. Gedanken | 201 (2002) 191 |

| Luminescence | | Molybdenum | |
|--|----------------|---|----------------|
| Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron sputtering, Q.P. Wang, D.H. Zhang, Z.Y. Xue and X.T. Hao | 201 (2002) 123 | Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- late combustion, S. Braun, L.G. Appel and M. Schmal | 201 (2002) 227 |
| Laser processing | | Multilayers | |
| Analysis of the laser-induced discoloration of lead white pigment, M.I. Cooper, P.S. Fowles and C.C. Tang High temperature behaviour of plasma transferred arc and laser Co-based alloy coatings, A.S.C.M. d'Oliveira, R. Vilar and | 201 (2002) 75 | A quantitative adhesion study between contacting materials in Cu damascene structures, F. Lanckmans, S.H. Brongersma, I. Varga, S. Poortmans, H. Bender, T. Conard and K. Maex | 201 (2002) 20 |
| C.G. Feder Investigation of KrF excimer laser ablation and induced surface damage on lithium niobate, | 201 (2002) 154 | Nanostructures | |
| HW. Chong, A. Mitchell, J.P. Hayes and M.W. Austin | 201 (2002) 196 | Observations of self-organized InAs nanoislands on GaAs (0 0 1) surface by electro- | |
| Lead | | static force microscopy, P. Girard, A.N. Titkov, M. Ramonda, V.P. Evtikhiev and V.P. Ulin | 201 (2002) 1 |
| Analysis of the laser-induced discoloration of lead white pigment, M.I. Cooper, P.S. Fowles and C.C. Tang | 201 (2002) 75 | Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. | |
| Lithium nitrate | | Leppävuori Size and time dependences of the valence states of Sn ions in amphoteric tin oxide nano- | 201 (2002) 56 |
| Investigation of KrF excimer laser ablation and induced surface damage on lithium niobate, HW. Chong, A. Mitchell, J.P. Hayes and M.W. Austin | 201 (2002) 196 | particles, S. Tsunekawa, J. Kang, K. Asami, Y. Kawazoe and A. Kasuya Photocatalytic thin films containing TiO ₂ nanoparticles by the layer-by-layer self-assembling method, TH. Kim and BH. | 201 (2002) 69 |
| Magnesium | | Sohn Blocking temperatures of amorphous iron nanoparticles coated by various surfactants, | 201 (2002) 109 |
| Initial chemical transport of reducing elements and chemical reactions in oxide cathode base metal, J.M. Roquais, F. Poret, R. le | 201 (2002) 05 | G. Kataby, Yu. Koltypin, A. Ulman, I. Felner and A. Gedanken | 201 (2002) 191 |
| Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 | Nickel | |
| Magnetic measurements | | Initial chemical transport of reducing elements | |
| Blocking temperatures of amorphous iron nanoparticles coated by various surfactants, G. Kataby, Yu. Koltypin, A. Ulman, I. Felner and A. Gedanken | 201 (2002) 191 | and chemical reactions in oxide cathode base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 |
| Molecular sieves | | Nitrides | |
| EPR studies of carbonaceous compounds deposited on Al-MCM-41, L. Nowak, M. Lezanska, M. Rozwadowski, F. Rozploch and W. Marciniak | 201 (2002) 182 | Effect of deposition parameters on composition, structures, density and topography of CrN films deposited by r.f. magnetron sputtering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 |

| Optical properties | | Photoelectron spectroscopy | |
|--|----------------|---|----------------------------------|
| Studies on some structural and optical properties of Zn _x Cd _{1-x} Te thin films and A.H. Ammar Spectroscopic ellipsometry studies of index profile of indium tin oxide films prepared by spray pyrolysis, H. El Rhaleb, E. Bena- | 201 (2002) 9 | Spectroellipsometric, AFM and XPS probing of stainless steel surfaces subjected to biological influences, M. Vinnichenko, Th. Chevolleau, M.T. Pham, L. Poperenko and M.F. Maitz Cathodic decomposition of InP studied by XPS, | 201 (2002) 41 |
| mar, M. Rami, J.P. Roger, A. Hakam and A. Ennaoui | 201 (2002) 138 | J. Vigneron, M. Herlem, E.M. Khoumri and A. Etcheberry Size and time dependences of the valence states | 201 (2002) 51 |
| Organic substances | | of Sn ions in amphoteric tin oxide nano- particles, S. Tsunekawa, J. Kang, K. Asami, Y. Kawazoe and A. Kasuya | 201 (2002) 69 |
| Adsorption and reactions of HFC-134a gas on the nascent surface of alumina, X. Wu, P. | | Analysis of the laser-induced discoloration of lead white pigment, M.I. Cooper, P.S. Fowles and C.C. Tang | 201 (2002) 75 |
| Cong and S. Mori The wettability of a cellulose acetate membrane in the presence of bovine serum albumin, T. | 201 (2002) 115 | Adsorption and reactions of HFC-134a gas on the nascent surface of alumina, X. Wu, P. | |
| Białopiotrowicz and B. Jańczuk EPR studies of carbonaceous compounds deposited on Al-MCM-41, L. Nowak, M. Lezanska, M. Rozwadowski, F. Rozploch | 201 (2002) 146 | Cong and S. Mori Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 115 201 (2002) 171 |
| and W. Marciniak | 201 (2002) 182 | Plasma assisted surface coating of porous solids, S.M. Mukhopadhyay, P. Joshi, S. Datta and J. Macdaniel | 201 (2002) 219 |
| Oxide | | | , |
| | | Plasma processing | |
| Size and time dependences of the valence states of Sn ions in amphoteric tin oxide nanoparticles, S. Tsunekawa, J. Kang, K. Asami, Y. Kawazoe and A. Kasuya Growth and thermal annealing of Cu on | 201 (2002) 69 | High temperature behaviour of plasma trans- ferred arc and laser Co-based alloy coat- ings, A.S.C.M. d'Oliveira, R. Vilar and | |
| HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White | 201 (2002) 171 | C.G. Feder Plasma assisted surface coating of porous solids, S.M. Mukhopadhyay, P. Joshi, S. | 201 (2002) 154 |
| Direct determination of electrical conductivity of oxide cathodes, G. Gärtner, P. Janiel and D. Raasch | 201 (2002) 35 | Datta and J. Macdaniel | 201 (2002) 219 |
| Initial chemical transport of reducing elements and chemical reactions in oxide cathode | | Polymers | |
| base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 | The wettability of a cellulose acetate membrane in the presence of bovine serum albumin, T. Białopiotrowicz and B. Jańczuk | 201 (2002) 146 |
| Palladium | | P | |
| Simultaneous chemical silver and palladium | | Raman scattering | |
| deposition on porous silicon; FESEM, TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. Leppävuori | 201 (2002) 56 | Electrochemical formation and characteriza- tion of copper oxygenous compounds in alumina template from ethanolamine solu- tions, A. Jagminas, J. Kuzmarskytė and G. Niaura | 201 (2002) 129 |
| Photochemistry | | Rare earth metals | |
| Photocatalytic thin films containing TiO ₂ nanoparticles by the layer-by-layer self-assembling method, TH. Kim and BH. Sohn | 201 (2002) 109 | Direct determination of electrical conductivity of oxide cathodes, G. Gärtner, P. Janiel and D. Raasch | 201 (2002) 35 |

| Scandium | | Steel | |
|---|--------------------------------|--|----------------|
| Low temperature and cold emission of scandate cathodes, G. Gaertner, P. Geittner and D. Raasch Scanning force microscopy | 201 (2002) 61 | Spectroellipsometric, AFM and XPS probing of stainless steel surfaces subjected to biological influences, M. Vinnichenko, Th. Chevolleau, M.T. Pham, L. Poperenko and M.F. Maitz | 201 (2002) 41 |
| seaming force interescopy | | 0.0 | |
| Observations of self-organized InAs nanoislands on GaAs (0 0 1) surface by electrostatic force microscopy, P. Girard, A.N. Titkov, M. Ramonda, V.P. Evtikhiev and V.P. Ulin | 201 (2002) 1 | Surface roughness Effect of deposition parameters on composition, structures, density and topography of CrN films deposited by r.f. magnetron sputtering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 |
| Silicon | | Surface structure | |
| Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. Leppävuori Real dimensional simulation of silicon etching in CF ₄ + O ₂ plasma, R. Knizikevičius | 201 (2002) 56 201 (2002) 96 | The effect of stoichiometry on the stability of steps on TiO ₂ (1 1 0), M.J.J. Jak, A. van Kreuningen, J. Verhoeven and J.W.M. Frenken | 201 (2002) 161 |
| Growth and thermal annealing of Cu on HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano | 201 (2002) 90 | Tellurium | |
| and J.M. White | 201 (2002) 171 | Studies on some structural and optical properties of Zn_xCd_{1-x} Te thin films, A.H. Ammar | 201 (2002) 9 |
| Silicon nitride | | Thin films | |
| Hydrogen diffusion coefficient of silicon nitride thin films, G.C. Yu and S.K. Yen | 201 (2002) 204 | Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron sputtering, Q.P. Wang, D.H. Zhang, Z.Y. | |
| Silicon oxide | | Xue and X.T. Hao Growth and thermal annealing of Cu on | 201 (2002) 123 |
| Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- late combustion, S. Braun, L.G. Appel and M. Schmal | 201 (2002) 227 | HfSiO ₄ , H.J. Park, YM. Sun, J. Lozano and J.M. White Effect of deposition parameters on composi- tion, structures, density and topography of CrN films deposited by r.f. magnetron sput- | 201 (2002) 171 |
| Silver | | tering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 |
| Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. Leppävuori | 201 (2002) 56 | Tin Size and time dependences of the valence states of Sn ions in amphoteric tin oxide nanoparticles, S. Tsunekawa, J. Kang, K. Asami, | |
| Sputter deposition | | Y. Kawazoe and A. Kasuya | 201 (2002) 69 |
| Violet huminoseuro mittal 6 7 0 5 | | Titanium oxide | |
| Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron sputtering, Q.P. Wang, D.H. Zhang, Z.Y. Xue and X.T. Hao Effect of deposition parameters on composition, structures, density and topography of | 201 (2002) 123 | Photocatalytic thin films containing TiO ₂ nanoparticles by the layer-by-layer self-assembling method, TH. Kim and BH. Sohn The effect of stoichiometry on the stability of steps on TiO ₂ (1 1 0), M.J.J. Jak, A. van | 201 (2002) 109 |
| CrN films deposited by r.f. magnetron sput- tering, J. Xu, H. Umehara and I. Kojima | 201 (2002) 208 | Kreuningen, J. Verhoeven and J.W.M. Fren- ken | 201 (2002) 161 |

| 201 (2002) 227 | CrN films deposited by r.f. magnetron sput- tering, J. Xu, H. Umehara and I. Kojima Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- late combustion, S. Braun, L.G. Appel and M. Schmal | 201 (2002) 208 201 (2002) 227 |
|----------------|--|--|
| | | |
| 201 (2002) 61 | X-ray spectroscopy Studies on some structural and optical properties of Zn_xCd_{1-x} Te thin films, A.H. Ammar | 201 (2002) 9 |
| | Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, | (, |
| 201 (2002) 9 | A.E. Pap, K. Kordás, R. Peura and S. Leppävuori Initial chemical transport of reducing elements | 201 (2002) 56 |
| 201 (2002) 56 | and chemical reactions in oxide cathode base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn | 201 (2002) 85 |
| 201 (2002) 69 | Zinc | |
| 201 (2002) 75 | Studies on some structural and optical properties of Zn_xCd_{1-x} Te thin films, A.H. Ammar | 201 (2002) 9 |
| | Zinc oxide | |
| 201 (2002) 129 | Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron sputtering, Q.P. Wang, D.H. Zhang, Z.Y. Xue and X.T. Hao | 201 (2002) 123 |
| | 201 (2002) 61 201 (2002) 9 201 (2002) 56 201 (2002) 69 201 (2002) 75 | tering, J. Xu, H. Umehara and I. Kojima Effect of the nature of the support on molyb- denum catalytic behavior in diesel particu- late combustion, S. Braun, L.G. Appel and M. Schmal X-ray spectroscopy Studies on some structural and optical properties of Zn _x Cd _{1-x} Te thin films, A.H. Ammar Simultaneous chemical silver and palladium deposition on porous silicon; FESEM, TEM, EDX and XRD investigation, A.E. Pap, K. Kordás, R. Peura and S. Leppävuori Initial chemical transport of reducing elements and chemical reactions in oxide cathode base metal, J.M. Roquais, F. Poret, R. le Doze, P. Dufour and A. Steinbrunn Zinc 201 (2002) 69 Studies on some structural and optical proper- ties of Zn _x Cd _{1-x} Te thin films, A.H. Ammar Zinc oxide Violet luminescence emitted from ZnO films deposited on Si substrate by rf magnetron sputtering, Q.P. Wang, D.H. Zhang, Z.Y. |